

# memorandum

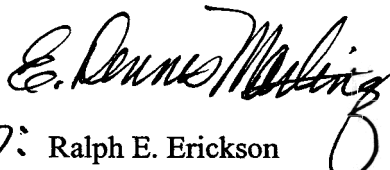
Albuquerque Operations Office  
Office of Los Alamos Site Operations  
Los Alamos, New Mexico 87544

DATE: JUL 25 2002  
REPLY TO:  
ATTN OF: SABT:1DN-001  
SUBJECT: LANL Nuclear Facilities List, Revision 3

TO: James Loud, Division Leader, PS-DO, LANL, MS-A150  
Attn: Kyo Kim, PS-OAB, LANL, MS-K561

Attached with this memorandum is the approved Los Alamos National Laboratory (LANL) Nuclear Facilities List, Revision 3. This Revision 3 is the official list of Nuclear Hazard Category 2 and 3 facilities, and supercedes the December 7, 2001, Revision 2, DOE/LANL Nuclear Facilities List. Attached (16 attachments) to the Nuclear Facilities List are all of the supporting safety basis documentation changes since issuance of Revision 1.

If you should have any questions please contact Daisy Nez, of my staff, at (505) 845-4235.

  
for: Ralph E. Erickson  
Director

Attachments

cc:  
See Page 2

cc w/Attachment 1:

E. Beckner, NA-10, HQ/FORS  
D. Crandall, NA-11, HQ/FORS  
D. Beck, NA-12, HQ/FORS  
G. Rudy, NA-50, HQ/FORS  
D. Miotla, NA-117, HQ/GTN  
X. Ascanio, NA-124, HQ/GTN  
J. Mangeno, NA-53, HQ/GTN  
J. Winter, NA-53, HQ/GTN  
J. Arthur, OOM, AL  
C. Cruz, Acting DIR, PIO, AL  
S. Goodrum, DIR, OSS, AL  
R. Erickson, DIR, LASO  
G. Schlapper, DIR, LASO  
T. Wald, SABB, LASO  
W. Orders, SABB, LASO  
W. Scott Gibbs, ADO, LANL, MS-A104  
J. Holt, ADO, LANL, MS-A104

cc w/Attachments 1-16:

J. Vozella, OFO, LASO  
C. Steele, SABM, LASO  
L. Knoell, SABB, LASO  
D. Nez, SABB, LASO  
R. Tom, SABB, LASO  
R. Capshaw, SABB, LASO  
R. Janke, SABB, LASO  
C. Keilers, DNFSB, LASO

## ATTACHMENTS

NOTE: The Nuclear Facilities List is Attachment 1. Following the Nuclear List is the supporting documentation for the facilities that have been removed from the List. After this is the 10CFR830 compliance letter, then the letter that extended several Safety Basis (SB) documents and acknowledgement of 10CFR830 for LANSCE facilities. Lastly, SB changes and updates are in chronological order by Site.

1. Nuclear Facilities List, Revision 3, dated July 02
2. Approval of the Removal of Sigma Building (TA-3-66) from the DOE Nuclear Facilities List, March 10, 2001
3. Removal of TA-16-411 and TA-8-22 from the Nuclear Facilities List, May 2, 2001
4. Removal of TA-33-86, HPTF from the Nuclear Facilities List, March 28, 2002
5. Closure of JCO for LANSCE WNR Facility – Target 4 and Removal from Nuclear Facilities List, July 18, 2002
6. Notification of Nuclear Facilities Complying with 10CFR830, Subpart B, May 17, 2001
7. Request for Approval concerning Safety Basis Documents, April 12, 2002
8. Approval of CMR ITSRS, Revision 4, July 20, 2001. And related Page Changes, dated Oct. & Nov. 2001, respectively.
9. Approval of TA-8 Radiography Facility, Building 23, JCO, October 29, 2001
10. TA-8-23 Final Addendum Approval, January 11, 2002 with an Attachment 1 & 2
11. TA-8-23 DSA Schedule Change, February 28, 2002. Extends JCO to 2/31/02
12. Transmittal of Approval of the SER for the LANL, TA-16 WETF; April 9, 2002
13. MAR Limit Increase at TA-18 MMV, March 6, 2002. And Approval of SB amendment to the TA-18 Security Enhancement Project, Revision 1, approved 2/28/02.
14. Approval of JCO for Radiochemistry Building (RC-1) at TA-48, August 18, 2000
15. Approval of Actinide BIO at the Manual Lujan Center, October 29, 2001
16. Approval and SER for the BIO for the LANSCE in Place Storage Operations in Building 53-3, Sector M “Area East.” April 6, 2002

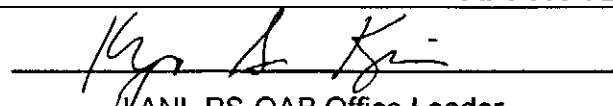
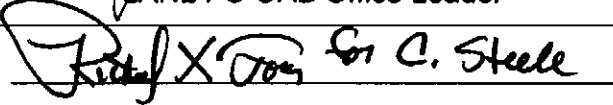
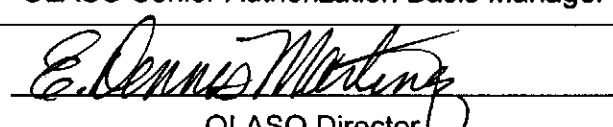
|                                   |                           |                                       |
|-----------------------------------|---------------------------|---------------------------------------|
| Performance<br>Surety<br>Division | Documentation and Records | PS-OAB 401<br>Rev. 3<br>July 23, 2002 |
|-----------------------------------|---------------------------|---------------------------------------|

# **DOE/LANL LIST OF LOS ALAMOS NATIONAL LABORATORY NUCLEAR FACILITIES**



**U.S. Department of Energy  
National Nuclear Security Administration  
Office of Los Alamos Site Operation**

**Los Alamos National Laboratory  
Performance Surety Division  
Office of Authorization Basis**

| APPROVED FOR USE  |                        |
|---|------------------------|
| <br>LANL PS-OAB Office Leader                | <u>7-23-02</u><br>Date |
| <br>OLASO Senior Authorization Basis Manager | <u>7/23/02</u><br>Date |
| <br>OLASO Director                           | <u>7/25/02</u><br>Date |

| Record of Revisions |               |  |
|---------------------|---------------|--|
| Revision Record     |               |  |
| Revision            | Date          | Summary  |
| 0                   | April 2000    | Original Issue   |
| 1                   | June 2001     | Updated nuclear facility list and modified format  |
| 2                   | December 2001 | Corrected CSOs, Referenced DOE approval memo for 10CFR830 compliant facilities, new acronym list, and safety basis documentation update since last revision. |
| 3                   | July 2002     | Semi annual update   |

### Changes in Nuclear Facility Status

| Date  | Description   |
|-------|---|
| 3/97  | Omega West Reactor (OWR), TA-2-1, downgraded from hazard category 2 reactor facility to a radiological facility. OWR removed from the nuclear facilities list.  |
| 9/98  | Safety Analysis Report (SAR) approved accepting the Radioactive Materials, Research, Operations, and Demonstration Facility (RAMROD), TA-50-37, as a hazard category 2 nuclear facility. RAMROD added to the nuclear facilities list.   |
| 9/98  | TA-35 Buildings 2 and 27 downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.  |
| 9/98  | Basis of Interim Operations (BIO) approved accepting the Los Alamos Neutron Science Center (LANSCE) A-6 Isotope Production and Materials Irradiation and 1L Manual Lujan Neutron Scattering Center (MLNSC) Target Facilities as hazard category 3 nuclear facilities.   |
| 10/98 | TA-8 Radiography Facility Buildings 24 and 70 downgraded from hazard category 2 nuclear facilities to radiological facilities.  |
| 11/98 | Health Physics Calibration Facility (TA-3 SM-40, SM-65 and SM-130) downgraded from a hazard category 2 nuclear facility to a radiological facility. SM-40 and SM-65 had been hazard category 2 nuclear facilities while SM-130 had been a hazard category 3 nuclear facility. Health Physics Calibration facility removed from the nuclear facilities list.   |
| 12/98 | Radioactive Liquid Waste Treatment Facility (RLWTF) downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.   |
| 1/99  | Pion Scattering Experiment of the TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE) removed from the nuclear facilities list.  |
| 2/00  | Building TA-50-190, Liquid Waste Tank, of the Waste Characterization Reduction and Repackaging Facility (WCRRF) removed from the nuclear facilities list.   |
| 3/00  | DOE SER clarifies segmentation of the Waste Characterization Reduction and Repackaging Facility (WCRRF) as: 1) Building TA-50-69 designated as a hazard category 3 nuclear facility, 2) an outside operational area designated as a hazard category 2 nuclear facility, and 3) the Non-Destructive Assay (NDA) Mobile Facilities located outside TA-50-69 and designated as a hazard category 2 nuclear facility. |
| 4/00  | Building TA-3-159 of the TA-3 SIGMA Complex downgraded from hazard category 3 nuclear facility to a radiological facility and removed from the nuclear facilities list.   |
| 4/00  | TA-35 Non proliferation and International Security Facilities Buildings 2 and 27 downgraded from hazard category 3 nuclear facilities to radiological facilities and removed from the nuclear facilities list.  |
| 3/01  | TA-3-66, Sigma Facility, downgraded and removed from this nuclear list  |
| 5/01  | TA-16-411, Assembly Facility, downgraded and removed from this nuclear list.  |
| 5/01  | TA-8-22, Radiography Facility, downgraded and removed from this nuclear list.   |
| 6/01  | Site Wide Transportation added as a nuclear activity (included in 10CFR830 plan)  |
| 9/01  | TA-53 LANSCE, WNR Target 4 JCO approved as hazard category 3 nuclear activity   |
| 10/01 | TA-53 LANSCE IL JCO in relation to changes in operational parameters of the coolant system with an expiration date of 1/31/02   |
| 10/01 | TA-53 LANSCE Actinide BIO approved as hazard category 3 nuclear activity  |
| 3/02  | TA-33-86, High Pressure Tritium Facility (HPTF) removed from Nuclear Facility List  |
| 4/02  | TA-53 LANSCE, DOE NNSA approves BIO for Storing Activated Components (A6, etc.) in Bldg 53-3 Sector M "Area A East" and added as hazard category 3 nuclear activity   |
| 7/02  | TA-53 LANSCE, WNR Facility Target 4 downgraded to below HC-3 & removed from   |

---

---

**Changes in Nuclear Facility Status**

| Date | Description             |
|------|-------------------------|
|      | Nuclear Facilities List |



---

---

## FOREWORD

1. This joint U.S. Department of Energy (DOE), National Nuclear Security Administration (NNSA), Office of Los Alamos Site Operation (OLASO) and Los Alamos National Laboratory (LANL), Performance Surety (PS) Division document has been prepared by the OLASO Safety Authorization Basis Team (SABT) and the Office of Authorization Basis (OAB) at LANL. This document provides a tabulation and summary information concerning hazard category 2 and 3 nuclear facilities at LANL.
2. This nuclear facility list will be updated to reflect changes in facility status caused by inventory reductions, final hazard classifications, exemptions, facility consolidations, and other factors.
3. DOE-STD-1027-92 methodologies are the bases used for identifying nuclear facilities to be included in this standard. Differences between this document and other documents that identify nuclear facilities may exist as this list only covers nuclear hazard category 2 and 3 facilities that must comply with requirement stipulated in 10 CFR 830, Subpart B. Other documents might include facilities that have inventories below the nuclear hazard category 3 threshold such as radiological facilities.

---



---

**LIST OF ACRONYMS AND ABBREVIATIONS**

| <b>Term</b>    | <b>Meaning</b>   |
|----------------|--|
| ARIES .....    | Advanced Recovery and Integration Extraction System    |
| BIO .....      | basis for interim operations                           |
| BUS .....      | Business Operations (Division)                         |
| C .....        | Chemistry (Division)                                   |
| CFR .....      | <i>Code of Federal Regulations</i>                     |
| CMR .....      | Chemistry and Metallurgy Research (Facility)           |
| CSO .....      | cognizant secretarial officer                          |
| DD .....       | Division Director                                      |
| DOE .....      | U.S. Department of Energy                              |
| DOE/AL .....   | DOE Albuquerque Operations                             |
| DP .....       | Defense Programs (DOE)                                 |
| DSA .....      | documented safety analysis                             |
| ESA .....      | Engineering Sciences and Applications (Division)       |
| ESH .....      | Environment, Safety and Health (Division)              |
| F&IB .....     | Feedback and Improvement Board                         |
| FSAR .....     | final safety analysis report                           |
| FM .....       | facility management                                    |
| FWO .....      | Facility and Waste Operations (Division)               |
| HA .....       | hazard analysis  |
| HC .....       | hazard category  |
| HPTF .....     | High Pressure Tritium Facility                         |
| IAW .....      | in accordance with                                     |
| IFIT .....     | Isotopic Fuel Impact Test                              |
| ITSR .....     | interim technical safety requirements                  |
| JCO .....      | justification for continued operations                 |
| LACEF .....    | Los Alamos Criticality Experiment Facility             |
| LANL .....     | Los Alamos National Laboratory                         |
| LANSC .....    | Los Alamos Neutron Science Center                      |
| LLW .....      | low-level waste  |
| MER .....      | management evaluation report                           |
| MLNSC .....    | Manuel Lujan Neutron Scattering Center                 |
| NIS .....      | Nonproliferation and International Security (Division) |
| NDA .....      | non-destructive assay                                  |
| NMT .....      | Nuclear Materials Technology (Division)                |
| NNSA .....     | National Nuclear Security Administration               |
| NSM Rule ..... | Nuclear Safety Management Rule, 10 CFR 830             |
| NTTL .....     | neutron tube target loading                            |
| OAB .....      | Office of Authorization Basis                          |
| OLASO .....    | Office of Los Alamos Site Operation                    |
| OSR .....      | operational safety requirement                         |
| OWR .....      | Omega West Reactor                                     |
| PS .....       | Performance Surety (Division)                          |

---

---

|              |  |
|--------------|--|
| Pu .....     | plutonium  |
| RAMROD ..... | Radioactive Material, Research, Operations, and Demonstration (Facility) |
| RANT .....   | Radioactive Assay Nondestructive Testing (Facility)                      |
| RC .....     | Radiochemistry (Facility)  |
| Rev. ....    | revision   |
| RLWTF .....  | Radioactive Liquid Waste Treatment Facility                              |
| SA .....     | safety assessment  |
| SAR .....    | safety analysis report   |
| SB .....     | safety basis   |
| SER .....    | safety evaluation report   |
| SM .....     | South Mesa   |
| STD .....    | standard   |
| TA .....     | technical area   |
| TBD .....    | to be determined   |
| TRU .....    | transuranic  |
| TSD .....    | transportation safety document   |
| TSE .....    | Tritium Science Engineering (Group)                                      |
| TSFF .....   | Tritium Science and Fabrication Facility                                 |
| TSR .....    | technical safety requirement   |
| TSTA .....   | Tritium Systems Test Assembly (Facility)                                 |
| TWISP .....  | Transuranic Waste Inspectable Storage Project                            |
| USQ .....    | unreviewed safety question   |
| WCRRF .....  | Waste Characterization Reduction and Repackaging Facility                |
| WETF .....   | Weapon Engineering Tritium Facility                                      |
| WSDF .....   | Waste Storage and Disposal Facility                                      |

---

## 1 SCOPE

Standard DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports*, provides methodologies for the hazard categorization of DOE facilities based on facility material inventories and material at risk. This document lists hazard category 2 and 3 nuclear facilities because they must comply with requirements in Title 10, *Code of Federal Regulations*, Part 830, Nuclear Safety Management, Subpart B, "Safety Basis Requirements." The Los Alamos National Laboratory (LANL) nuclear facilities that are below hazard category 3 (radiological facilities) have not been included on this list because they are exempt from the requirements in 10CFR830, Subpart B.

## 2 PURPOSE

This standard provides a list of hazard category 2 (HC2) and 3 (HC3) nuclear facilities at LANL. The list will be revised, as appropriate, to reflect changes in facility status resulting from final hazard categorization or movement, relocation, or final disposal of radioactive inventories. The list shall be used as the basis for determining initial applicability of DOE nuclear facility requirements. The list now includes site wide transportation per the requirements of 10CFR 830 Subpart B.

## 3 APPLICABILITY

This standard is intended for use by NNSA and contractors with responsibilities for facility operation and/or oversight at LANL.

## 4 REFERENCES

- 4.1 49CFR173.469, Title 49, *Code of Federal Regulation*, Part 173 "Shippers - General Requirements for Shipments and Packagings."
- 4.2 DOE O 420.2, Change 1, *Safety of Accelerator Facilities*, USDOE, 5/26/99.
- 4.3 DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports*, USDOE, 9/97.
- 4.4 10CFR830, Title 10, *Code of Federal Regulation*, Part 830, "Nuclear Safety Management."
- 4.5 ANSI N43.6, American National Standards Institute (ANSI) N43.6, "American National Standard for General Radiation Safety—Sealed Radioactive Sources, Classification"

## 5 NUCLEAR FACILITIES LIST

Table 5-1 identifies all HC2 and HC3 nuclear facilities at LANL. Facilities have been categorized based on criteria in DOE-STD-1027-92, Change 1. Site, zone or area, building number, name, and dominant hazard category identifies each facility. The dominant hazard category is determined by identifying the highest hazard category for multi-process facilities. Buildings, structures, and processes addressed by a common documented safety analysis have

been designated as a single facility. DOE-STD-1027-92, Change 1, permits exclusion of sealed radioactive sources from a radioactive inventory of the facility if the sources were fabricated and tested in accordance with 49CFR173.469 or ANSI N43.6. In addition, material contained in U.S. Department of Transportation (DOT) Type B shipping containers may also be excluded from radioactive inventory. Facilities containing only material tested or stored in accordance with these standards do not appear in the list and tables that follow.

**TABLE 5-1. List of LANL Nuclear Facilities**

| HAZ<br>CAT | FACILITY NAME   | TABLE<br>No. | PAGE<br>No. |
|------------|---|--------------|-------------|
| 2          | TA-3 Chemistry and Metallurgy Research Facility (CMR)   | 6-1          | 3           |
| 2          | TA-8 Radiography Facility   | 6-2          | 4           |
| 2          | TA-16 Weapons Engineering Tritium Facility (WETF)   | 6-3          | 5           |
| 2          | TA-18 Los Alamos Critical Experiment Facility (LACEF) and Hillside Vault                                | 6-4          | 6           |
| 2          | TA-21 Tritium Science and Fabrication Facility (TSFF)   | 6-5          | 7           |
| 2          | TA-21 Tritium System Test Assembly Facility (TSTA)  | 6-6          | 8           |
| 3          | TA-48 Radiochemistry and Hot Cell Facility  | 6-7          | 9           |
| 3          | TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF)   | 6-8          | 10          |
| 2          | TA-50 Radioactive Materials, Research, Operations, and Demonstration (RAMROD) Facility                  | 6-9          | 11          |
| 2          | TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)                                 | 6-10         | 12-13       |
| 3          | TA-53 Los Alamos Neutron Science Center (LANSCE) 1L Target  | 6-11         | 14-15       |
| 3          | TA-53 LANSCE Lujan Center ER-1/2 Actinide   | 6-11         | 14-15       |
| 3          | TA-53 LANSCE Storage of Activated Components/Targets (A-6, etc.) in Building 53-3, Sector M Area A East | 6-11         | 14-15       |
| 2          | TA-54 Waste Storage and Disposal Facility (WSDF)  | 6-12         | 16          |
| 2          | TA-54 Transuranic Waste Inspectable Storage Project (TWISP)   | 6-13         | 17          |
| 3          | TA-54 Radioactive Assay Nondestructive Testing (RANT) Facility  | 6-14         | 18          |
| 2          | TA-55 Plutonium Facility  | 6-15         | 19-20       |
| TBD        | Site Wide Transportation  | 6-16         | 21          |

Summary of Table 5-1:

- 11 Hazard Category 2 Nuclear Facilities
- 6 Hazard Category 3 Nuclear Facilities
- 1 To be determined (TBD) (Transportation activities)
- 18 Total Nuclear Facilities

## 6 LANL NUCLEAR FACILITIES SUMMARY TABLES

The following tables summarize safety basis information for each nuclear facility identified in Table 5-1.

**TABLE 6-1. LANL TA-3 Chemistry and Metallurgy Research Facility Summary**

|   |  |  |                       |
|---|--|--|-----------------------|
| SITE: LANL  |  |  |                       |
| CSO: DP   | FACILITY: TA-3 Chemistry and Metallurgy Research Facility (CMR)<br>FACILITY FM: Scott Dick |  | HAZ CAT:<br>2         |
| <u>ZONE</u><br>TA-3   | <u>BUILDING</u><br>0029  | <u>DESCRIPTION</u><br>Actinide chemistry and metallurgy research and analysis  | <u>HAZ. CAT.</u><br>2 |
| Current Safety Basis: BIO; Management Evaluation Report (MER); Interim Technical Safety Requirements (ITSR); DOE White Paper, "Strategy for Managing Risks at the CMR Facility at Los Alamos National Laboratory;" and approved USQs. 10CFR830 Subpart B compliant. |  |  |                       |
| Laboratory Documents  |  | DOE Documents  |                       |
| CMR Basis for Interim Operations, dated August 26, 1998.  |  | Management Evaluation Report for the Chemistry and Metallurgy Research (CMR) Facility Basis for Interim Operations (BIO) dated August 1998   |                       |
|   |  | Memorandum from Glenn (LAAO) to Matthews (LANL) dated August 31, 1998 (approval of BIO).   |                       |
|   |  | DOE White Paper, "Strategy for Managing Risks at the CMR Facility at Los Alamos National Laboratory" (Revision 3, 12/18/98),   |                       |
| NMT13-TSR-002, R04, CMR Interim Technical Safety Requirements, dated January 31, 2001 & related pages changes dated, 10/11/01 and 11/28/01  |  | DOE/LAAO/SABT/3DN-004 Memorandum from C. Steele to T. George, LANL; Approval of CMR ITSR, Rev. 4, July 20, 2001 & approval of subsequent page changes, dated 10/11/01 and 11/29/01 |                       |
| LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.   |  | DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10CFR830, Subpart B, May 17, 2001  |                       |

TABLE 6-2. LANL TA-8 Radiography Facility Summary

|   |                         |  |                       |
|---|-------------------------|--|-----------------------|
| SITE: LANL  |                         |  |                       |
| CSO: DP   |                         | FACILITY: TA-8 Radiography Facility<br>FACILITY FM: Robert Grace   | HAZ CAT:<br>2         |
| <u>ZONE</u><br>TA-8   | <u>BUILDING</u><br>0023 | <u>DESCRIPTION</u><br>Betaron building   | <u>HAZ. CAT.</u><br>2 |
| Current Safety Basis Approved JCO extended to December 31, 2002. DSA in progress.   |                         |  |                       |
| Laboratory Documents  |                         | DOE Documents  |                       |
| <i>Justification for Continued Operation for TA-8-23 Radiography Facility, ESA-FM-ESH-JCO.001.01, dated April 6, 2001</i>   |                         | DOE/LAAO Memorandum SABT LK008, C. M. Steele (DOE/LAAO/SABM) to E. M. Hanson (ESA-DD) Subject: Approval of TA-8 Radiography Facility, Building 23, Justification for Continued Operations (JCO), dated October 29, 2001  |                       |
| <i>Addendum to Justification for Continued Operation for TA-8-23, ESA-FM-ESH-JCO.001, dated December 2, 2001.</i>   |                         | Memorandum from C. M. Steele (DOE/LAAO/SABM) to E. M. Hanson (ESA-DD) Subject: Approval of Addendum to TA-8-23 JCO to Correct Deficiencies in the Analysis which Prevented the Approved JCO from Adequately Supporting the Programmatic Mission, dated December 2, 2001. |                       |
| Memorandum ESA-AET:02-49, from D. Anaya, ESA-AET, to C. Steele, DOE-NNSA Subject: Authorization Basis Addendum For Test Assembly Evaluation (U), dated January 10, 2002 (forwards <i>Hazard Assessment for Test Assembly Radiography Facility Building TA-8-23</i> dated January 2002 |                         | Memorandum SABM Steele--TA-8-23 Final Addendum Approval from C.M. Steele, SABM, to E.M Hanson, ESA-DD, Subject: Approval of Final Authorization Bases Addendum for Test Assembly Evaluation, dated January 11, 2002  |                       |
| LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002  |                         | JCO extended to December 31, 2002. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.   |                       |

TABLE 6-3. LANL TA-16 Weapons Engineering Tritium Facility Summary

|  |  |  |                  |
|--|--|--|------------------|
| SITE: LANL   |  |  |                  |
| CSO: DP  | FACILITY: TA-16 Weapons Engineering Tritium Facility (WETF)<br>FACILITY FM: Robert Grace<br>FACILITY OPERATIONS: Carol Sutcliffe |  | HAZ CAT:<br>2    |
| <u>ZONE</u>  | <u>BUILDING</u>  | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-16  | 0205   | Tritium Research   | 2                |
| Current Safety Basis: DSA and TSR approved by SER; 10CFR830 Subpart B compliant.                                       |  |  |                  |
| Laboratory Documents   |  | DOE Documents  |                  |
| Weapons Engineering Tritium Facility (WETF) Final Safety Analysis Report (FSAR), WETF-FSAR, R0, dated January 22, 2002 |  | Safety Evaluation Report (SER) for WETF, SER-Rev. 0, U.S. Department of Energy, National Nuclear Security Administration, Office of Los Alamos Site Operations, dated March 27, 2002. DOE approval memo (SABT:LK-006); Subject: Transmittal of Approval of the SER for the LANL, TA-16, WETF, is dated April 9, 2002. SER approves SAR and TSR of 1/22/02. |                  |
| Weapons Engineering Tritium Facility (WETF) Technical Safety Requirements (TSRs), WETF-TSR, R0 dated January 22, 2002  |  |  |                  |



TABLE 6-4. LANL TA-18 Los Alamos Critical Experiment Facility Summary

|   |   |   |
|---|---|---|
| SITE: LANL  |   |   |
| CSO: DP   | FACILITY: TA-18 Los Alamos Critical Experiment Facility (LACEF)<br>FACILITY FM: Phil Pellette | HAZ CAT:<br>2   |
| <u>ZONE</u><br>TA-18  | <u>DESCRIPTION</u><br>Critical experiment site  | <u>HAZ. CAT.</u><br>2   |
| Current Safety Basis: SAR, DOE SER approval dated 2/23/95. TSRs, DOE SER approval dated 11/21/95.   |   |   |
| Laboratory Documents  |   | DOE Documents   |
| <p><i>Los Alamos Critical Experiment Facility (LACEF) and Hillside Vault, TA-18 Safety Analysis Report for the Los Alamos Critical Experiments Facility (LACEF) and Hillside Vault (PL-26), TA-18, NIS-6, June 1994.</i></p> <p><i>Technical Safety Requirements for the Los Alamos Critical Experiments Facility and the Hillside Vault, LA-CP-95-11, Rev. 1.0, September 1995</i></p> <p><i>(U) TA-18 Security Enhancement Project Hazards Analysis (SRD-NSI), January 9, 2002</i></p> <p>LANL Letter NIS-18-02:036, from P. Pellette, NIS-18, to C. Steele, NNSA/OLASO, Amendment to AB (MAR), dated March 4, 2002</p> <p><i>Basis for Interim Operations (BIO) for Technical Area 18 (TA-18), Rev. 0, Los Alamos National Laboratory, Los Alamos, NM, March 15, 2002</i></p> <p><i>Technical Safety Requirements (TSRs) for Technical Area 18 (TA-18), Rev. 0, Los Alamos National Laboratory, Los Alamos, NM, March 15, 2002</i></p> |   | <p>DOE Albuquerque Operations Office <i>Safety Evaluation Report Los Alamos Critical Experiments Facility</i>, January 1995.</p> <p>Memorandum from Twining (AL) to Kirkman (LAAO), Approval of Los Alamos Critical Experiments Facility (LACEF) Safety Analysis Report (SAR), February 23, 1995</p> <p><i>Safety Evaluation Report Los Alamos Critical Experiments Facility and the Hillside Vault (LACEF) Technical Safety Requirements (TSRs)</i>, LA-CP-95-11, November 1995</p> <p>Memorandum from Twining (AL) to Kirkman (LAAO), Approval, Los Alamos Critical Experiments Facility and Hillside Vault (LACEF) at TA-18 Technical Safety Requirements (TSRs), November 21, 1995.</p> <p>Memorandum for record signed 2/28/02, " (U) Conditions of Approval for TA-18 Security Enhancement Project, Revision 1" (Approved by C. Steele, DOE/NNSA/OLASO/SABM)</p> <p>Memorandum from C. Steele, NNSA/OLASO/SABM to T. Hawken (sic), NIS-DO, Subject: MAR Limit Increase at TA-18 MMV, dated March 6, 2002</p> <p>SER for BIO and TSR has been prepared and is in final review for approval</p> |

TABLE 6-5. LANL TA-21 Tritium Science and Fabrication Facility Summary

|   |  |   |
|---|--|---|
| SITE: LANL  |  |   |
| CSO: DP   | FACILITY: TA-21 Tritium Science and Fabrication Facility (TSFF)<br>FACILITY FM: Robert Grace<br>FACILITY OPERATIONS: Carol Sutcliffe | HAZ CAT:<br>2   |
| <u>ZONE</u>   | <u>BUILDING</u>  | <u>DESCRIPTION</u>  |
| TA-21   | 0209   | Stabilization activities and NTTL support   |
|   |  | <u>HAZ. CAT.</u><br>2   |
| Current Safety Basis: SA, DOE approval dated 4/9/87. OSRs (revision to 1988 OSRs), DOE approval dated 8/28/96.  |  |   |
| Laboratory Documents  |  | DOE Documents   |
| Tritium Science and Fabrication Facility (TSFF), TA-21 Report No. SA 86- 2, <i>Safety Assessment for the Tritium Salt Facility TA-21-209</i> , June 1986 revised February 1987. |  | Memorandum from Schinkle (AL) to Valencia (LAAO), Safety Assessment, Tritium Salt Facility, TA-21-209, LANL, dated April 9, 1987 (found LANL response to AL comments to be satisfactory).   |
| Basis for Interim Operation for the Tritium Science and Fabrication Facility, Rev-1-94, January 28, 1994.   |  | Memorandum from Phoenix (LAAO) to Hurdle (LANL) dated April 17, 1987 (not an actual approval memorandum of Safety Assessment).  |
| TSF-OSR, Rev. 3, <i>Operational Safety Requirements for the Tritium Science and Fabrication Facility</i> , November 27, 1996. (Revision of 1988 OSRs).                          |  | Authorization Agreement for FMU #70, Tritium Science and Fabrication Facility, July 27, 1999  |
| TSF-OSR, Rev. 4, <i>Operational Safety Requirements for the Tritium Science and Fabrication Facility</i> , September 30, 1999. (Revision of 1988 OSRs).                         |  | Memorandum from Schinkle (AL) to Valencia (LAAO), Approval of Non-reactor Nuclear Facility Operational Safety Requirements (OSRs), dated November 29, 1988 (approved OSRs).   |
|   |  | Memorandum from Roybal (AL) to Todd (LAAO), Proposed Revisions to the Operational Safety Requirements (OSRs) for the Tritium Science and Fabrication Facility (TSFF), August 28, 1996 (approval of proposed revisions to OSRs).                     |
|   |  | Memorandum SABL:6BK-022, from Steele (DOE/LAAO) to Hansen (ESA-DO) Subject: New Material at Risk Limits for Tritium Systems Test Assembly (TSTA) and Tritium Science and Fabrication Facility (TSFF), August 30, 1999 (directed Rev. 4 to TSF-OSR). |

TABLE 6-6. LANL TA-21 Tritium System Test Assembly Facility Summary

|  |  |  |
|--|--|--|
| SITE: LANL   |  |  |
| CSO: DP  | FACILITY: TA-21 Tritium System Test Assembly (TSTA)<br>FACILITY FM: Robert Grace<br>FACILITY OPERATIONS: Carol Sutcliffe | HAZ CAT:<br>2  |
| <u>ZONE</u>  | <u>BUILDING</u>  | <u>DESCRIPTION</u>   |
| TA-21  | 0155   | Stabilization and Deactivation Activities  |
|  |  | HAZ. CAT.<br>2   |
| Current Safety Basis: SAR (includes OSRs), DOE approval dated 8/5/96 (DOE Order 5481.1B SAR approved for use as a BIO).          |  |  |
| Laboratory Documents   |  | DOE Documents  |
| Final Safety Analysis Report for Tritium Systems Test Assembly (TSTA) TA-21-155, ESA-TSE, April 1996, (Chapter 8 contains OSRs). |  | Memorandum from Twining (AL) to Todd (LAAO) Approval of Tritium System Test Assembly (TSTA) Safety Analysis Report (SAR), dated August 5, 1996 (DOE Order 5481.1B SAR approved for use as a BIO).<br><br>Memorandum SABT:6BK-022, from Steele (DOE/LAAO) to Hansen (ESA-DO) Subject: New Material at Risk Limits for Tritium Systems Test Assembly (TSTA) and Tritium Science and Fabrication Facility (TSFF), August 30, 1999 (directed Rev. 4 to TSF-OSR). |

TABLE 6-7. LANL TA-48 Radiochemistry and Hot Cell Facility Summary

|  |   |   |
|--|---|---|
| SITE: LANL   |   |   |
| CSO: DP  | FACILITY: TA-48 Radiochemistry and Hot Cell Facility<br>FACILITY FM: Sara Helmick | HAZ CAT:<br>3   |
| <u>ZONE</u>  | <u>BUILDING</u>   | <u>DESCRIPTION</u>  |
| TA-48  | 0001  | Radiochemistry and hot cell facility; multiple small sources  |
|  |   | <u>HAZ. CAT.</u><br>3   |
| Current Safety Basis: RC-1 JCO Approval date of August 18, 2000, extended to June 28, 2002.  |   |   |
| Laboratory Documents   |   | DOE Documents   |
| <i>Justification for Continued Operation for Radiochemistry Building (RC-1), July 28, 2000</i><br><br>LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002<br><br><i>Basis for Interim Operation (BIO) for Radiochemistry (RC-1) Facility Technical Area 48, Building 1, DSA-CFM-RC-1 BIO, Rev. 0 dated June 27, 2002</i><br><br><i>Technical Safety Requirements (TSR) for the Radiochemistry (RC-1) Facility Technical Area 48, Building 1, DSA-CFM-RC-1 TSR, Rev. 0 dated June 27, 2002</i> |   | DOE/LAAO Memorandum SABT:4BK-003, Approval of Justification for Continued Operation (JCO) for Radiochemistry Building (RC-1) at TA-48 dated August 18, 2000<br><br>JCO dated August 18, 2000 RC-1 is extended to June 28, 2002. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence. |

TABLE 6-8. LANL TA-50 Radioactive Waste Treatment Facility Summary

| SITE: LANL  |  |  |               |
|---|--|--|---------------|
| CSO: DP   | FACILITY: TA-50 Radioactive Liquid Waste Treatment Facility<br>(RLWTF)<br>FACILITY FM: Dennis McLain |  | HAZ CAT:<br>3 |
| ZONE  | BUILDING   | DESCRIPTION  | HAZ. CAT.     |
| TA-50   | 0001   | Main treatment plant, pretreatment plant, decontamination operation  | 3             |
| TA-50   | 0002   | Low level liquid influence tanks, treatment effluent tanks,<br>low level sludge tanks  | 3             |
| TA-50   | 0066   | Acid and Caustic waste holding tanks   | 3             |
| TA-50   | 0090   | Holding tank   | 3             |
| Current Safety Basis: SAR (safety analysis only controls have been superseded by the ITSRs), DOE SER approval dated 12/26/95. Interim TSRs, DOE approval dated 3/16/99  |  |  |               |
| Laboratory Documents  |  | DOE Documents  |               |
| TA-50 Waste Management Operations, Safety Analysis Report, Volume I, Information Common to All Facilities, WASTE MGMT- REPORT- 002, R. 0, October 1995.   |  | Safety Evaluation Report for Los Alamos National Laboratory Technical Area 50 Radioactive Liquid Waste Treatment Facility SAR/TSRs, November 1995.   |               |
| <i>Final Safety Analysis Report for Radioactive Liquid Waste Treatment Facility at TA-50-1, Information Specific to the Radioactive Liquid Waste Treatment Facility, Volume III, LW- CST- 13- AP13- R0, October 1995.</i> |  | Memorandum from Twining (AL) to Kirkman (LAAO), Approval of Safety Analysis Report (SAR)/Technical Safety Requirements (TSRs) for LANL TA-50-1, Radioactive Liquid Waste Treatment Facility (RLWTF), December 26, 1995.                      |               |
| <i>Criticality Safety Evaluation of the Tubular Cross Flow Filtration System at TA-50, ESH-6-98-096, December 15, 1998</i>  |  |  |               |
| <i>TA-50 Hazard Category Classification, RLW-CALC-001, December 17, 1998</i>  |  |  |               |
| <i>TA-50 Hazard Category, EM-SWO:98-203, December 17, 1998</i>  |  | Memorandum from Gurulé (LAAO) to Baca (LANL), Change to Nuclear Hazard Classification of the Radioactive Liquid Waste Treatment Facility (RLWTF), TA-50-1, 2, 66, 90 and Plan Forward on Restart, December 17, 1998.                         |               |
| <i>Interim Technical Safety Requirements (ITSRs) Radioactive Liquid Waste Treatment Facility TA-50: Buildings 1, 2, 66, 90, and 114, AP- FMU84- 02, R. 0, March 16, 1999.</i>   |  | Memorandum from Gurulé (LAAO) to Baca (LANL), Conditional Approval of Interim Technical Safety Requirements (ITSRs) for the Radioactive Liquid Waste Treatment Facility (RLWTF) Located at TA-50- 1, -2, -66, and -114, dated March 16, 1999 |               |

**TABLE 6-9. LANL TA-50 Radioactive Materials, Research, Operations, and  
Demonstration Facility Summary**

|  |   |   |
|--|---|---|
| <b>SITE: LANL</b>  |   |   |
| <b>CSO: DP</b>   | <b>FACILITY: TA-50 Radioactive Materials, Research, Operations, and<br/>Demonstration (RAMROD)</b><br>FACILITY FM: Sara Helmick | <b>HAZ CAT:</b><br><b>2</b>   |
| <u><b>ZONE</b></u>   | <u><b>BUILDING</b></u>  | <u><b>DESCRIPTION</b></u>   |
| TA-50  | 37  | Radioactive materials, research, operations, and demonstration facility   |
|  |   | <u><b>HAZ. CAT.</b></u><br><b>2</b>   |
| Current Safety Basis: SAR and TSRs, DOE SER approval dated 9/15/98. 10CFR830 Subpart B compliant.  |   |   |
| <b>Laboratory Documents</b>  |   | <b>DOE Documents</b>  |
| <i>Safety Analysis Report for the Radioactive Materials<br/>Research, Operations, and Demonstration (RAMROD)<br/>Facility TA-50-37, RAMROD- REPORT-001, R. 0,<br/>August 31, 1998.</i> |   | Safety Evaluation Report for RAMROD- SER- Rev. 0,<br>Final Safety Analysis Report and Technical Safety<br>Requirements for the Radioactive Materials, Research,<br>Operations, and Demonstration (RAMROD) Facility<br>at TA- 50- 37, RAMROD- SAR- Rev. 0, August 31,<br>1998, RAMROD- TSRs- Rev. 0, September 9, 1998,<br>September 10, 1998. |
| <i>Technical Safety Requirements, Radioactive Materials<br/>Research, Operations and Demonstration (RAMROD)<br/>Facility, RAMROD/ TSR/ Rev. 0, September 10, 1998.</i>                 |   | Memorandum from Zamora (LAAO) to Gancarz<br>(LANL), Transmittal of Safety Evaluation Report<br>(SER) Approving the new RAMROD Final Safety<br>Analysis Report (FSAR) and Technical Safety<br>Requirements (TSRs), September 15, 1998.   |
| LANL Memorandum FWO-OAB:01-025, Subject:<br>Notification to DOE of Nuclear Facilities that Comply<br>with 10 CFR 830, Subpart B, April 1, 2001.  |   | Memorandum from Gurulé (LAAO) to Sattelberger<br>(LANL), Path Forward for Selected RAMROD ORR<br>Findings, February 2, 1999   |
|  |   | DOE/LAAO/SABT/RXT Memorandum, Notification<br>of Nuclear Facilities Complying with 10CFR830,<br>Subpart B, May 17, 2001   |

**TABLE 6-10. LANL TA-50 Waste Characterization Reduction and Repackaging Facility Summary**

|   |  |  |                  |
|---|--|--|------------------|
| SITE: LANL  |  |  |                  |
| CSO: DP   | FACILITY: TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)<br>FACILITY FM: Sara Helmick |  | HAZ CAT:<br>2    |
| <u>ZONE</u>   | <u>BUILDING</u>  | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-50   | 0069   | Waste characterization, reduction, and repackaging facility  | 3                |
| TA-50   | External   | NDA mobile activities outside TA-50-69   | 2                |
| TA-50   | External   | Drum staging/storage pad and waste container temperature equilibration activities outside TA-50-69   | 2                |
| Current Safety Basis: DOE SER approval memo of 3/16/00 approved ITSR and HA as a BIO. DOE SER extended to 8/30/02.  |  |  |                  |
| Laboratory Documents  |  | DOE Documents  |                  |
| Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSRs), TA-50- 69, CST-25-WCRR-ITSR-004, Rev. 0, February 15, 2000. (Includes a Hazard Analysis) |  | Safety Evaluation Report (SER) for Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSRs), TA-50-69, Rev. 0, February 15, 2000, March 13, 2000. (ITSRs/ HA approved as a BIO)   |                  |
| WCRR Facility ITSR Proposed Change, C-FM:01-003, 1/03/01  |  | Memorandum from Steele (LAAO) to Sattelberger (LANL), Transmittal of Safety Evaluation Report (SER) for the Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSR) and Hazard Analysis, March 16, 2000.  |                  |
|   |  | Memorandum from Gurulé (LAAO) to Sattelberger (LANL C-DO), Approval of WCRR Facility ITSR Change Proposal, 1/11/01   |                  |
|   |  | Memorandum from Zamora (LAAO) to Sattelberger (LANL), Startup of the Waste Characterization, Reduction, and Repackaging (WCRR) Facility Operations at Technical Area 50, Building 69 (TA-50-69), 1/18/01   |                  |
|   |  | Memorandum from David Gurulé (LAAO) to Sattelberger (LANL C-DO), Closure of Conditions of Approval (CA) 5 and 6 in the Safety Evaluation Report (SER) for the Waste Characterization Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSR) and Hazard Analysis (HA), CST-25-WCRR-ITSR-004, Revision 1 |                  |
| WCRR Facility Interim Safety Requirements (ITSR) Annual Update, C-FM-01-21, Rev. 1, 3/9/01  |  |  |                  |

|  |   |
|--|---|
| LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002 | SER dated March 16, 2000 for WCCRF BIO/ITSR is extended to August 30, 2002. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence. |
|--|---|



**TABLE 6-11. LANL TA-53 Nuclear Activities at Los Alamos  
Neutron Science Center Summary**

|  |   |   |                         |
|--|---|---|-------------------------|
| <b>SITE: LANL</b>  |   |   |                         |
| <b>CSO: DP</b>   | <b>FACILITY: TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE)</b> |   | <b>HAZ CAT:</b>         |
|  | <b>FACILITY FM: Dan Seely</b>   |   | <b>3</b>                |
|  | <b>NUCLEAR OPS MANAGER: Joey Donahue</b>  |   |                         |
| <u><b>ZONE</b></u>   | <u><b>ACTIVITY</b></u>  | <u><b>DESCRIPTION</b></u>   | <u><b>HAZ. CAT.</b></u> |
| TA-53  | 1L Target   | Lujan Center Neutron Production Target  | 3                       |
| TA-53  | Lujan Center ER-1/2   | Actinide scattering experiments   | 3                       |
| TA-53  | Area A-6  | In-place storage DU and A-6 beam stop   | 3                       |
| <p><b>Current Safety Basis:</b> DOE SER of 3/22/00 for IL BIO extended to April 4, 2004. BIO for Actinide, SER approval dated 10/29/01; BIO for in place storage of activated components in Area A East; SER approval dated 4/6/02. BIOs for 1L Target, Actinide, and Area A are 10CFR830 Subpart B compliant.</p> |   |   |                         |
| <b>Laboratory Documents</b>  |   | <b>DOE Documents</b>  |                         |
| <p><i>Basis for Interim Operation (BIO) for the 1L Target 2000–2002 Beam Delivery Periods, BIO- 53- 004, Rev. 2, dated March 14, 2000 (Note: TSR included as Chapter 5 to this document).</i></p>  |   | <p><i>Safety Evaluation Report (SER) for the LANSCE (TA-53) 1L Target-BIO, Rev. 2, March 22, 2000.</i></p>  |                         |
| <p>LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.</p>   |   | <p>SER dated 3/22/00 for IL BIO extended to April 4, 2004 and IL Target BIO of 3/22/00 is endorsed to be 10CFR 830 Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.</p> |                         |
| <p><i>Basis for Interim Operation for Experiments on Neutron Scattering by Actinides at the Manuel Lujan Jr. Neutron Scattering Center (Lujan Center) Los Alamos National Laboratory, LANL TA-53-BIO-005, Rev. 2, dated September 17, 2001</i></p>   |   | <p><i>Safety Evaluation Report Basis for Interim Operation for Experiments on Neutron Scattering by Actinides at the Manuel Lujan, Jr. Neutron Scattering Center, LANL TA-53-BIO-005, Rev. 2, dated October 29, 2001.</i></p>   |                         |
|  |   | <p>LANSCE Actinide BIO of 10/29/01 is endorsed to be 10 CFR 830 Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.</p>  |                         |

|  |  |
|--|--|
| <p><i>Basis for Interim Operations for Storing Activated Components in Los Alamos Neutron Science Center (LANSCE) Building 53-3 Sector M "Area A East", TA-53-BIO-05.0, dated April 6, 2002</i></p> <p>LANL letter from D. Seely, LANSCE-FM to C. Steele, NNSA/OLASO/SABM, Subject: Request for Closure on the Justification for Operation (JCO) for Los Alamos Neutron Science Center (LANSCE) Weapons Neutron Research (WNR) Facility - Target 4, dated June 11, 2002 (Downgrade WNR to radiological facility)</p> | <p>DOE/LAAO Memorandum SABM A6 LANSCE BIO Approval, C Steele to P. Lisowski, LANSCE-DO, Subject: Approval and Safety Evaluation Report (SER) for the Basis for Interim Operations (BIO) for the LANSCE in Place Storage Operations in Building 53-3, Sector M "East Area" dated April 6, 2002</p> <p>LANSCE Area A (A-6) BIO of 10/29/01 is endorsed to be 10 CFR 830 Subpart B compliant. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence.</p> <p>DOE/NNSA/OLASO Memorandum, Subject: Closure of JCO for Los Alamos Neutron Science Center (LANSCE) Weapons Neutron Research (WNR) Facility - Target 4 and Removal from Nuclear Facilities List, dated July 19, 2002</p> |
|--|--|

TABLE 6-12. LANL TA-54 Waste Storage and Disposal Facility Summary

|   |  |  |                  |
|---|--|--|------------------|
| SITE: LANL  |  |  |                  |
| CSO: DP   | FACILITY: TA-54 Waste Storage and Disposal Facility (Area G)<br>FACILITY FM: Dennis McLain |  | HAZ CAT:<br>2    |
| <u>ZONE</u>   | <u>BUILDING</u>  | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-54   | Area G   | Low level waste (LLW) (including mixed waste) storage and disposal in Domes, pits, shafts, and trenches. TRU waste storage in domes and shafts (does not include TWISP). TRU legacy waste in pits and shafts. Low level disposal of asbestos in pits and shafts. Operations building; TRU waste storage. | 2                |
| Current Safety Basis: SAR and TSRs, DOE SER approval dated 9/19/95.                                 |  |  |                  |
| Laboratory Documents  |  | DOE Documents  |                  |
| Safety Analysis Report (SAR) for TA-54, Area G, CST14G- REPORT- 003, R. 0, August 30, 1995.         |  | <i>Safety Evaluation Report for Los Alamos National Laboratory Technical Area 54, Area G Facility FSAR/ TSR, September 1995.</i>   |                  |
| Technical Safety Requirements (TSRs) for TA-54, Area G, CST14G- REPORT- 009, R. 0, August 30, 1995. |  | Memorandum from Twining (AL) to Kirkman (LAAO), Approval of Safety Analysis Report (SAR)/ Technical Safety Requirements (TSRs) for Los Alamos National Laboratory (LANL) TA- 54, Area G, Los Alamos, New Mexico, September 19, 1995.   |                  |

TABLE 6-13. LANL Transuranic Waste Inspectable Storage Project Summary

|  |   |  |                  |
|--|---|--|------------------|
| SITE: LANL   |   |  |                  |
| CSO: DP  | FACILITY: TA-54 Transuranic Waste Inspectable Storage Project (TWISP) |  | HAZ CAT:<br>2    |
|  | FACILITY FM: Dennis McLain  |  |                  |
| <u>ZONE</u>  | <u>BUILDING</u>   | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-54  | Pad 2   | Recovery of buried TRU waste   | 2                |
| TA-54  | 0033  | TRU waste storage, fabric dome with TRU waste drum   | 2                |
| Current Safety Basis: BIO and TSR, DOE/LAAO SER dated June 26, 2000. 10CFR830 Subpart B compliant. TWISP BIO/SER extended to April 4, 2004.                    |   |  |                  |
| Laboratory Documents   |   | DOE Documents  |                  |
| Basis for Interim Operations for the Transuranic Waste Inspectable Storage Project, Technical Area 54, REPORT-TWISP-001, April 24, 2000.                       |   | DOE/AL/LAAO, SABT:4TW-003, Transmittal of DOE Safety Evaluation Report (SER) for the Documents: TWISP-BIO-Rev. 0 (April 24, 2000) and TWISP-TSR-Rev. 0 (April 24, 2000), June 26, 2000       |                  |
| Technical Safety Requirements (TSRs) Transuranic Waste Inspectable Storage Project (TWISP) PAD 2, REPORT-TWISP-002, R.O, dated April 24, 2000                  |   |  |                  |
| Hazards Analysis for Criticality at the Transuranic Waste Inspectable Storage Project, ESH-6-00-062, August 22, 2000.  |   | DOE Approval of the TWISP Criticality Safety Evaluation SABT:3TW-027, Sept 21, 2000 and Attachment 1 of this Memo  |                  |
| LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.                      |   | DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10CFR830, Subpart B, May 17, 2001  |                  |
| LANL Memorandum PA-OAB: 02-001, D. Post, PA-DO to C. Steele, OLASO/SABM, Subject: Request for Approval Concerning Safety Basis Documents, dated April 12, 2002 |   | TWISP BIO extended to April 4, 2004. Ref: D. Post to C. Steele memorandum, Subject: Request for Approval concerning Safety Basis Documents, dated April 12, 2002. NNSA provided concurrence. |                  |

TABLE 6-14. LANL TA-54 Radioactive Assay Nondestructive Testing Facility Summary

|   |  |  |                  |
|---|--|--|------------------|
| SITE: LANL  |  |  |                  |
| CSO: DP   | FACILITY: TA-54 Radioactive Assay Nondestructive Testing (RANT)<br>Facility<br>FACILITY FM: Sara Helmick |  | HAZ CAT:<br>3    |
| <u>ZONE</u>   | <u>BUILDING</u>  | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-54   | 0038   | Nondestructive assay and examination of waste drums, WIPP<br>certification of TRU waste drums, TRUPACT loading of drums  | 3                |
| Current Safety Basis: SA and Interim OSRs, DOE approval dated 2/12/98. 10CFR830 Subpart B compliant   |  |  |                  |
| Laboratory Documents  |  | DOE Documents  |                  |
| Safety Assessment, Los Alamos National Laboratory<br>Radio assay and Nondestructive Testing (RANT)<br>Facility, TA-54 West, Rev. 4, February 1998 |  | Memorandum from Le-Doux (LAAO) to Gancarz<br>(LANL), Approval of revised safety assessment for<br>the Radioassay and Nondestructive Testing (RANT)<br>Facility, TA-54-38, February 12, 1998. |                  |
| LANL Memorandum FWO-OAB:01-025, Subject:<br>Notification to DOE of Nuclear Facilities that Comply<br>with 10 CFR 830, Subpart B, April 1, 2001.   |  | DOE/LAAO/SABT/RXT Memorandum, Notification<br>of Nuclear Facilities Complying with 10CFR830,<br>Subpart B, May 17, 2001  |                  |

TABLE 6-15. LANL TA-55 Plutonium Facility Summary

|   |   |  |                  |
|---|---|--|------------------|
| SITE: LANL  |   |  |                  |
| CSO: DP   | FACILITY: TA-55 Plutonium Facility<br>FACILITY FM: Eric Ernst |  | HAZ CAT:<br>2    |
| <u>ZONE</u>   | <u>BUILDING</u>   | <u>DESCRIPTION</u>   | <u>HAZ. CAT.</u> |
| TA-55   | 4   | Pu glovebox lines; processing of isotopes of Pu  | 2                |
| <p>Current Safety Basis: IFIT Facility SAR, DOE SER approval dated 6/19/96. TA-55 SAR, DOE SER approval dated 1/13/97. ARIES SAR Addendum, DOE approval dated 9/28/98. TA-55 TSRs, DOE approval dated 10/29/99. 10CFR830 Subpart B compliant.</p> |   |  |                  |
| Laboratory Documents  |   | DOE Documents  |                  |
| <p><i>Isotopic Fuel Impact Test (IFIT) Facility FSAR Supplement, Rev. 3, dated May 31, 1996.</i></p>  |   | <p><i>Safety Evaluation Report for Los Alamos National Laboratory TA- 55 Final Safety Analysis Report Supplement and Operational Safety Requirements Revision Isotopic Fuel Impact Test (IFIT) Facility, June 1996.</i></p>                        |                  |
| <p><i>TA-55 Final Safety Analysis Report, TA-55-PRD-108-01.1, August 16, 1996.</i></p>  |   | <p>Memorandum from Twining (AL) to Todd (LAAO), Approval of the Final Safety Analysis Report (FSAR) Supplement for the Isotopic Fuels Impact Test (IFIT) Facility and Revised Operational Safety Requirements (OSRs) at TA- 55, June 19, 1996.</p> |                  |
| <p><i>Advanced Recovery and Integrated Extraction System (ARIES) Project Hazard Analysis and Required Safety Controls FSAR Addendum, September 28, 1998.</i></p>  |   | <p><i>Safety Evaluation Report of the Los Alamos National Laboratory Technical Area 55 Plutonium Building-4, Safety Analysis Report and Technical Safety Requirements, December 1996.</i></p>  |                  |
| <p><i>TA-55 Technical Safety Requirements, TA-55-PED-108-01.1, Revision 1, August 13, 1999.</i></p>   |   | <p>Memorandum from Reis (DP- 1) to Manager, Albuquerque Operations Office, Transmittal of Approval of the Safety Evaluation Report for the Los Alamos National Laboratory, Technical Area-55, and Plutonium Facility, January 13, 1997.</p>        |                  |
| <p>LANL Memorandum FWO-OAB:01-025, Subject: Notification to DOE of Nuclear Facilities that Comply with 10 CFR 830, Subpart B, April 1, 2001.</p>  |   | <p>Memorandum from Gurulé (LAAO) to Matthews (LANL), Approval of ARIES Project Hazard Analyses and Required Safety Controls, September 28, 1998.</p>   |                  |
| <p><i>TA-55 Final Safety Analysis Report, LA-CP-95-169, Rev. 1 dated April 2002</i></p>   |   | <p>Memorandum from Steele (LAAO) to Christensen (LANL), Approval of TA-55 Technical Safety Requirements</p>  |                  |
|   |   | <p>DOE/LAAO/SABT/RXT Memorandum, Notification of Nuclear Facilities Complying with 10CFR830, Subpart B, May 17, 2001</p>   |                  |

|   |  |
|---|--|
| <i>TA-55 Technical Safety Requirements</i> , LA-CP-02-120,<br>Rev. 0 dated April 2002 |  |
|---|--|

TABLE 6-16. LANL Site Wide Transportation Activities

|  |   |                         |
|--|---|-------------------------|
| SITE: LANL   |   |                         |
| CSO: DP  | FACILITY: Site Wide Transportation  | HAZ CAT:<br>TBD         |
| <u>ZONE</u><br>Site Wide                                       | <u>DESCRIPTION</u><br>Laboratory nuclear materials transportation that is not DOT<br>certified is now included in the scope of 10CFR830 | <u>HAZ. CAT.</u><br>TBD |
| Current Safety Basis: TSD per DOE G 460.1-1 under development. |   |                         |
| Laboratory Documents   |   | DOE Documents           |
|  |   |                         |